

Tanner Crab Data Sources

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Survey Data

- 1974-2012: “legacy” data from 2012 assessment
 - total abundance (+ sex-specific cv.s) by year
 - size frequencies by year, sex, shell condition, maturity state
- 2013
 - total abundance (+ sex-specific cv.s) from R. Foy
 - size freq.s by sex, shell condition and maturity state from individual crab data provided by Bob
 - Averaged multiple hauls by station
 - Expanded to stratum level by averaging CPUE by size bin over stations and multiplying by stratum area
 - Summed over strata to get EBS-wide size freq.s
 - Male new shell size freq.s “expanded” to maturity state using logistic maturity curve

Fishery Data

- Retained catch in directed Tanner crab fishery (male only)
 - total numbers and weight (1965+)
 - size compositions by shell condition (1980+)
- Tanner crab, snow crab, BBRKC fisheries
 - effort (pot lifts by fishery: 1968+; 1978+; 1953+)
 - from observer data by fishery (1992+)
 - sex-specific total discards (weight)
 - total size compositions for females
 - total size compositions by shell condition for males
- Groundfish fisheries
 - total bycatch (males+females; 1973+)
 - sex-specific size compositions (1973+)

Crab Fisheries Data

- 1974-2012: “legacy” data from 2012 assessment
- For 2013:
 - No directed fishery.
 - Sex-specific discard weights from W. Gaeuman
 - snow crab fishery
 - BBRKC for commercial and “cost recovery” (CR) fisheries
 - no observer coverage in CR fishery
 - Tanner discards in CR fishery based on commercial discard rates and effort ratio
 - Sex- and shell condition-specific size compositions based on observer sampling from W. Gaeuman

Groundfish Fisheries Data

- “legacy” data from 2012 assessment
 - total bycatch weight (males + females; 1973-2011)
 - sex-specific bycatch size compositions (1973-2011)
- For 2013:
 - total bycatch catch weight (males + females) from R. Foy. (and AKRO) for 2012/13 crab fishery year
 - sex-specific bycatch size compositions calculated for 2012/13 crab fishery year directly from groundfish observer database (NORPAC).
 - measured crab numbers were expanded to “haul level” to account for sub-sampling
 - “haul-level” size compositions were combined across each NMFS statistical area to obtain “stratum-level” size comp.s
 - “stratum-level” size comp.s were combined to obtain EBS-wide size comp.s